



## Tuned Mass Rail Damper (TMD)

Polycorp is a global supplier of rail product systems that improve any rail network. Our products limit the destructive effects of impact, vibration, and stray electric current while also dramatically reducing rail noise. Customers benefit from our extensive product catalogue, superior technical support, and decades of experience in the rail industry.



## Innovation

Polycorp continually improves and introduces new products to meet customer needs. Our knowledgeable in-house technical department and hands-on field presence allows us to quickly create focused solutions to your specific project challenges. Polycorp is the industry leader with over 30 years of job experience to prove it.

## Quality

Polycorp quality begins with our **ISO 9001:2015** Certification and ends only when the job is in revenue service. We have quality systems and the latest testing equipment to ensure our material exceeds your needs and satisfies your customer's requirements.

**High Quality = Reduced Risk**

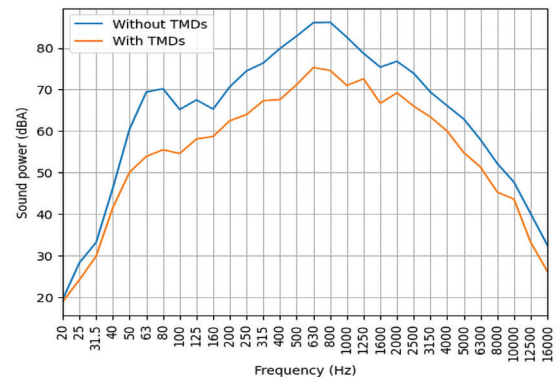
## Modelling, Test and Measurement

Polycorp's R&D team and certified lab are capable of simulating complex systems to analyze them both theoretically and practically. Design is then optimized to deliver ultimate performance. Several real-life lab and/or field tests are performed on the designed components to validate the simulations and ensure reliability of the system.



## Tuned Mass Damper

Open ballast track that is near residential areas can now benefit from significant noise reduction without the need to dig up the track, add unsightly sound walls, or other invasive methods to control noise. Polycorp Rail Dampers are simply added during off hours to an existing section of track with our PATENTED EP-Lock TMD clip in seconds. Tuned Mass Dampers are designed to maximize sound reduction based on area specific inputs like soil stiffness, track stiffness, rail and fastener systems, and train type and speed. Based on customers' needs, the system can be tuned to deliver optimal performance with minimal cost. The system demonstrated a 10.5 dB reduction (3rd Party verified).



## Features

- Dampers available for every rail size
- Dekra 3rd Party certified production line and Lab for Europe (DR/19/180349 -A and -B)
- Meets European Spec SPC 00323 V2
- Tunable performance for your specific rail application demonstrated 10.5 dB reduction (3rd Party verified)
- Half the clips and time required compared to other systems
- No paste required to attain same results as alternative system that requires paste. Removes mess, improve used rail recovery, and significantly reduces costs
- System can be easily added or removed with common tools or Polycorp installation tool
- All parts are labeled for specific rail sizes
- Design accommodates standard track maintenance equipment without TMD removal